

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

07/13/2011

Kevin Santos
Assistant District Attorney, Suffolk County

Dear ADA Santos,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Lisa Glazer.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Lisa Glazer was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Lisa A. Glazer

Education

Bachelor of Science Degree, CHEMISTRY January 2006

UNIVERSITY OF NEW HAVEN

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Bachelor of Science Degree, FORENSIC SCIENCE January 2006

UNIVERSITY OF NEW HAVEN

Coursework included: Organic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus, Biology, Criminal Justice and Forensic Science courses

Employment

Chemist I, II State Laboratory Institute (May 2007-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2007.

Laboratory Technician I (August 2006 – May 2007)

University of Connecticut Chemistry Department - Storrs, CT

- Prepared unknowns, chemical reagents and supplies for undergraduate chemistry courses
- Set-up experiment demonstrations
- Properly disposed of hazardous waste from the experiments
- Made sure labs were being conducted safely
- Kept track of student laboratory paperwork, inventoried glassware and chemicals and helped clean glassware

Intern (September 2005 – November 2005)

CONNECTICUT STATE POLICE FORENSIC LABORATORY - Meriden, CT

- Worked on a Pyrolysis Gas Chromatography project
- Observed in the GSR testing, Forensic Biology, DNA, Questioned Documents, Black and White Photo, Latent Prints, Firearms, Trace Evidence and Color Photo Units

DRUG RECEIPTCC # [REDACTED]
BOOK # 72
PAGE # 47
DESTRUCTION # _____District/Unit FIB DCU
Name & Rank of Arresting Officer HASAN ID# 95166

DEFENDANT'S NAME

ADDRESS

CITY

STATE

DORCHESTERMA

DESCRIPTION OF ITEMS SUBMITTED

GROSS
QUANTITYGROSS
WEIGHT

LAB USE ONLY

ANALYSIS
NUMBERCRACK COCAINE1 P/B1.83gMARIJUANA1 P/BCWB

To be completed by ECU personnel only

Name and Rank of Submitting Officer Sybil White ID# 11064Received by [Signature] Date 11-16-10

ECU Control # _____

No. [REDACTED]

Date Analyzed:

City: Boston D.C.U. Police Dept.

02-11-11

Officer: P.O. SYBIL WHITE

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 11/16/2010

No. Analyzed:

Gross Wt.: 1.83 ✓

Net Weight: 0.24g

Tests: 2

Prelim:

cocaine

Findings:

2 ASD

locaine

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Boston

ANALYST

ATG

No. of samples tested: _____

Evidence Wt. _____

✓

PHYSICAL DESCRIPTION:

signed & sealed

Gross Wt (): _____

Gross Wt (): 0.3551g

Pkg. Wt: 0.1093g

Net Wt: 0.2458g

-1 pb w/ off white
rock-like substance

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate

⊕ better w/ acid

Marquis

⊖

Froehde's

⊖

Mecke's

⊖

Microcrystalline Tests

Gold
Chloride

⊕

TLTA

⊕ w/ acid

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS

cocaine

DATE

2/10/11

GC/MS CONFIRMATORY TEST

RESULTS

cocaine

MS
OPERATOR

ASD

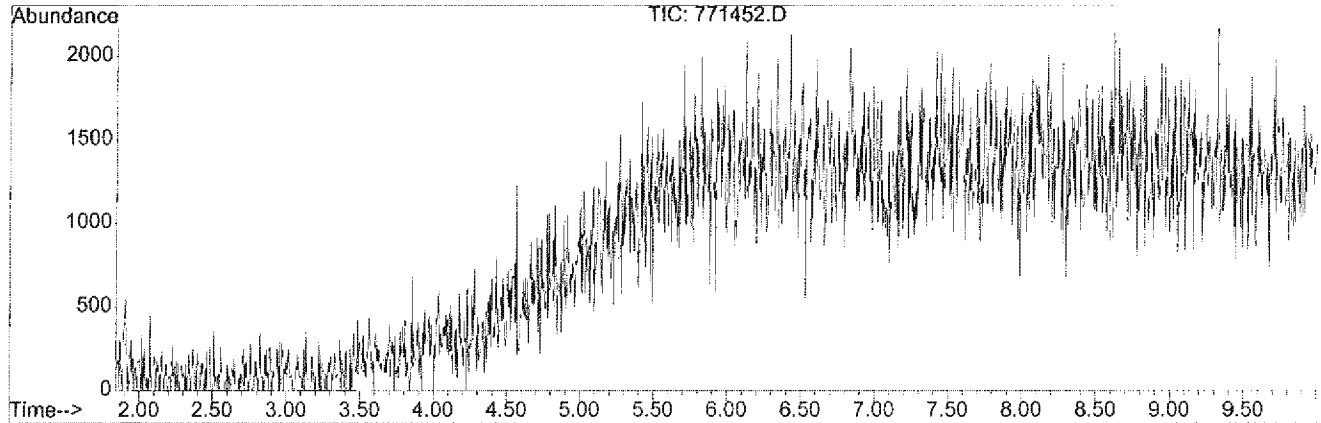
DATE

2/14/11

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\02_11_11\771452.D
Operator : ASD
Date Acquired : 12 Feb 2011 3:27
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



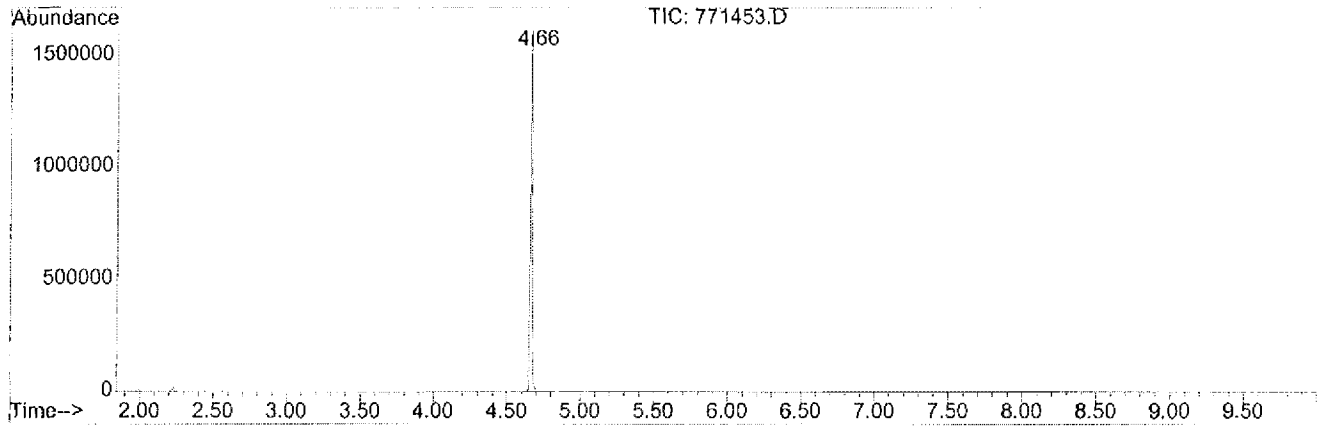
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\02_11_11\771453.D
Operator : ASD
Date Acquired : 12 Feb 2011 3:41
Sample Name : COCAINE STD
Submitted by :
Vial Number : 32
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.665	1539909	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

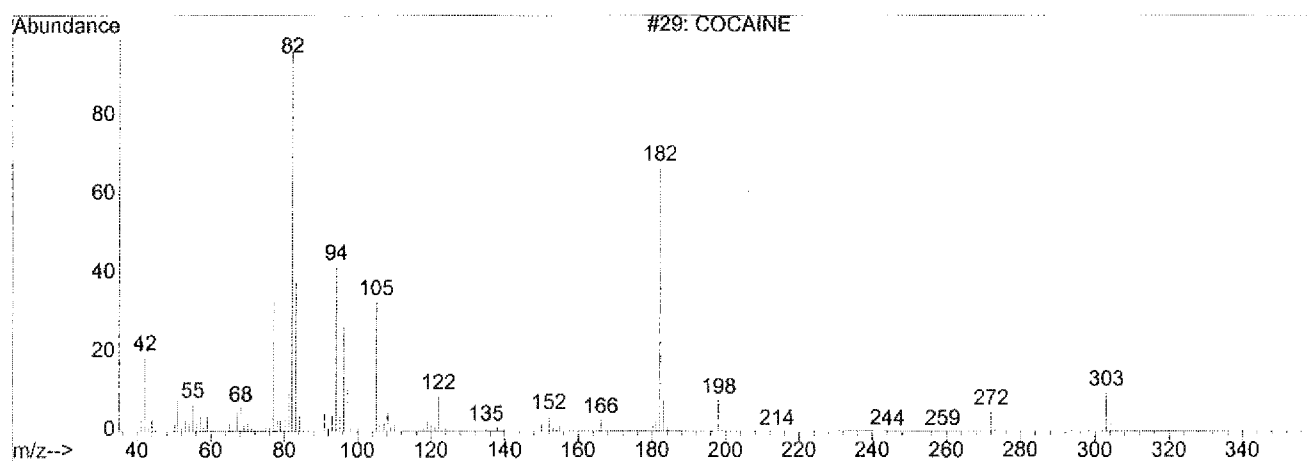
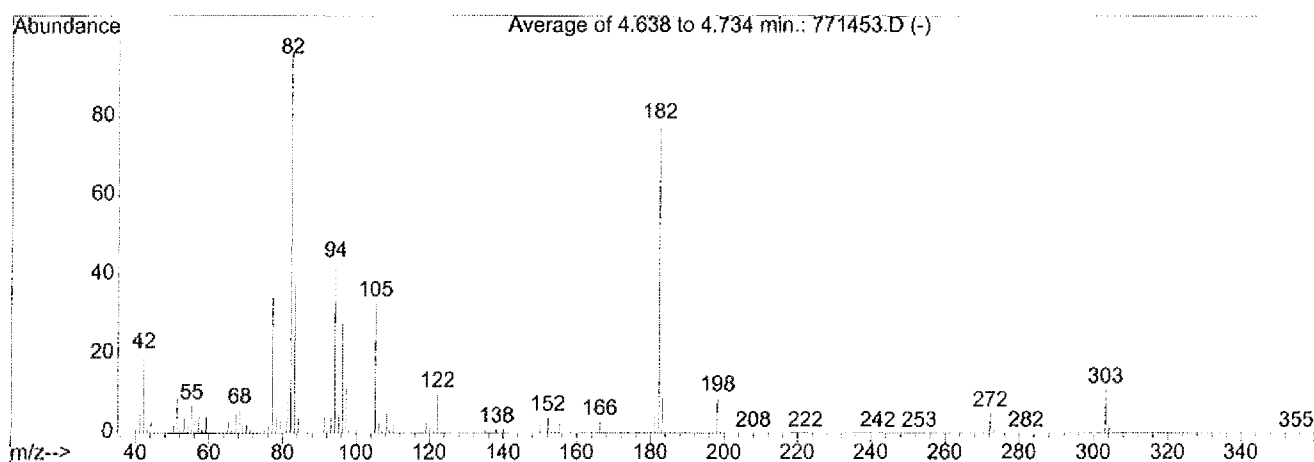
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File Name       : F:\Q1-2011\SYSTEM4\02_11_11\771453.D
Operator        : ASD
Date Acquired   : 12 Feb 2011   3:41
Sample Name     : COCAINE STD
Submitted by    :
Vial Number     : 32
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

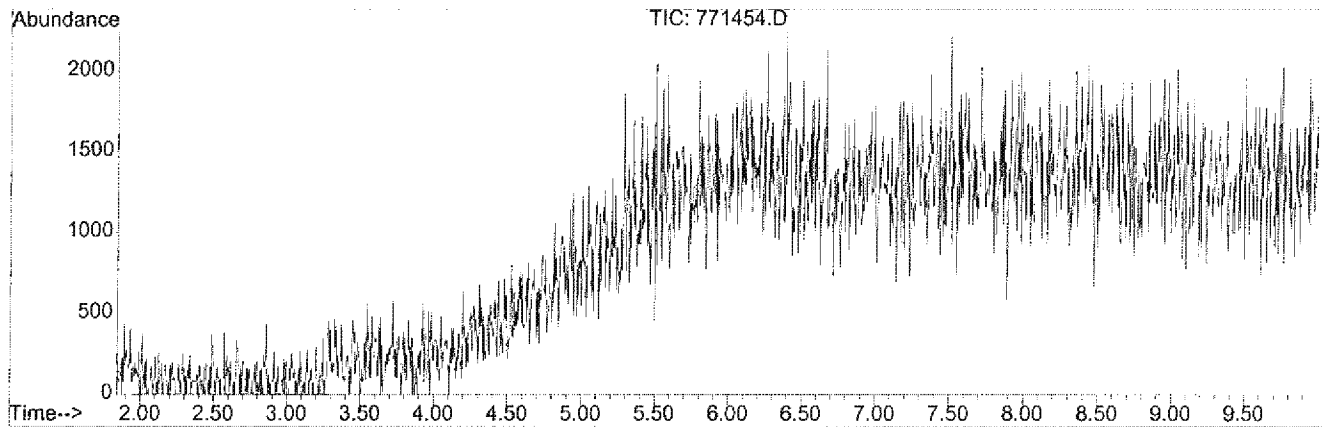
PK#	RT	Library/ID	CAS#	Qual
1	4.66	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\02_11_11\771454.D
Operator : ASD
Date Acquired : 12 Feb 2011 3:54
Sample Name : BLANK
Submitted by : LAG
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



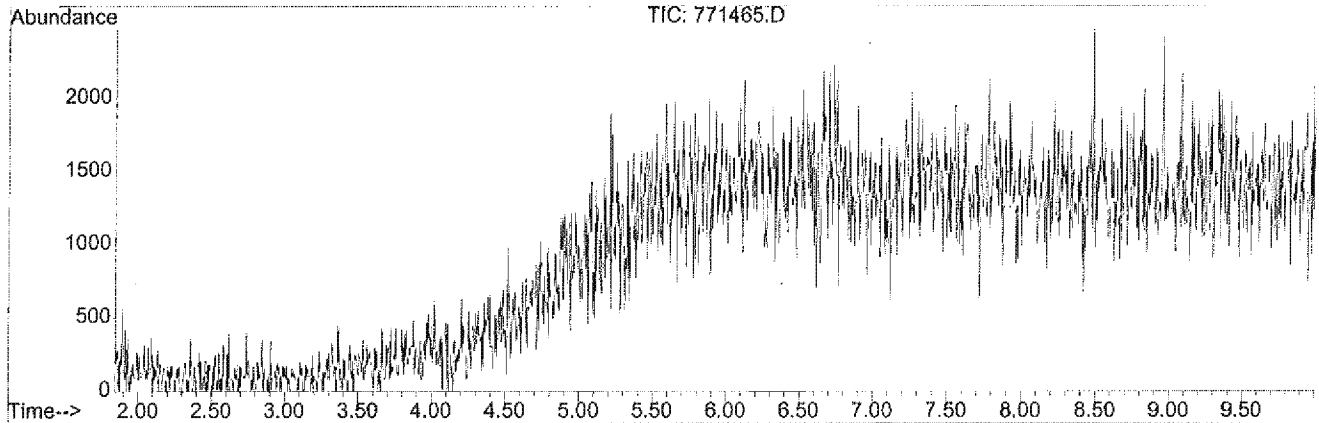
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\02_11_11\771465.D
Operator : ASD
Date Acquired : 12 Feb 2011 6:26
Sample Name : BLANK
Submitted by : LAG
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



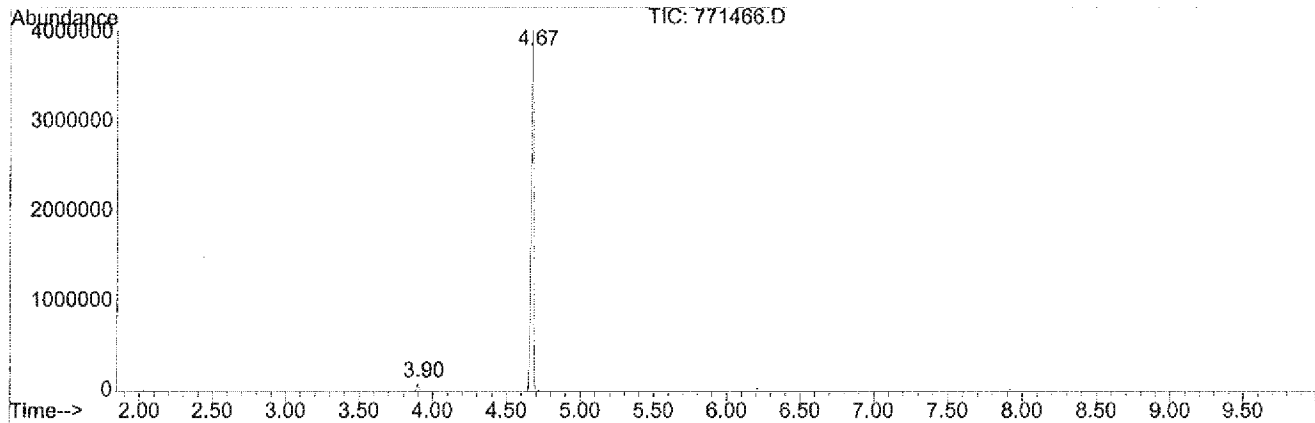
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\02_11_11\771466.D
 Operator : ASD
 Date Acquired : 12 Feb 2011 6:40
 Sample Name : XXXXXXXXXX
 Submitted by : LAG
 Vial Number : 66
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.898	109869	2.33	2.39
4.671	4598699	97.67	100.00

Area Percent / Library Search Report

Information from Data File:

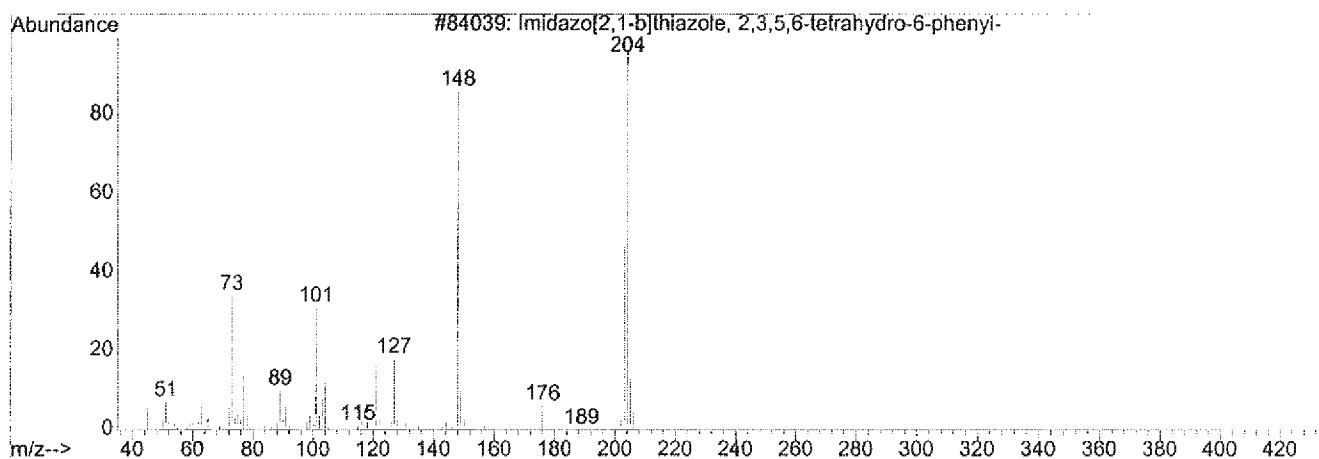
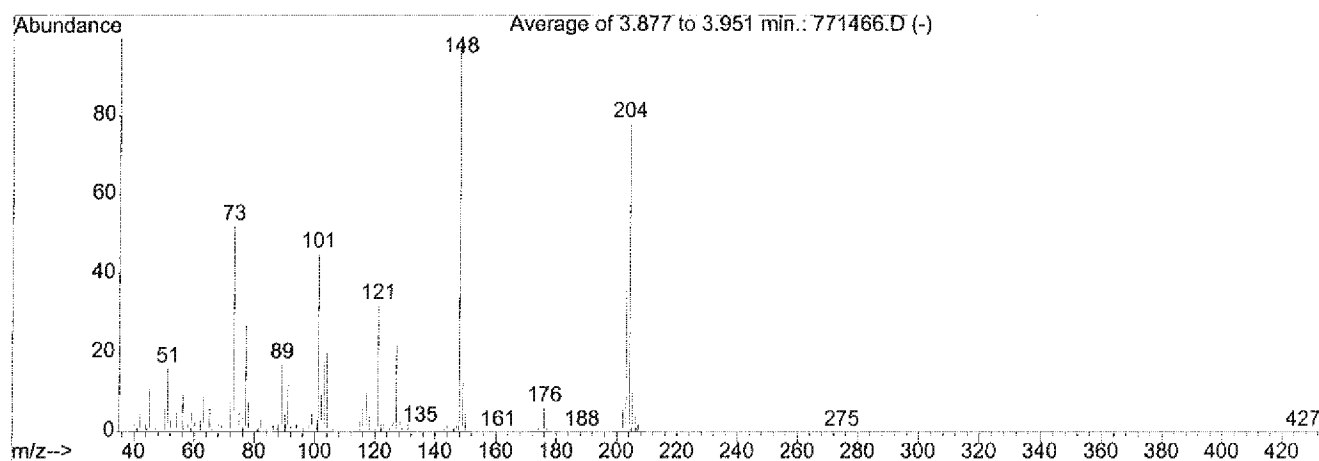
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File Name       : F:\Q1-2011\SYSTEM4\02_11_11\771466.D
Operator        : ASD
Date Acquired   : 12 Feb 2011   6:40
Sample Name     : 
Submitted by    : LAG
Vial Number     : 66
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	3.90	C:\DATABASE\NIST98.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	96
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	96



Area Percent / Library Search Report

Information from Data File:

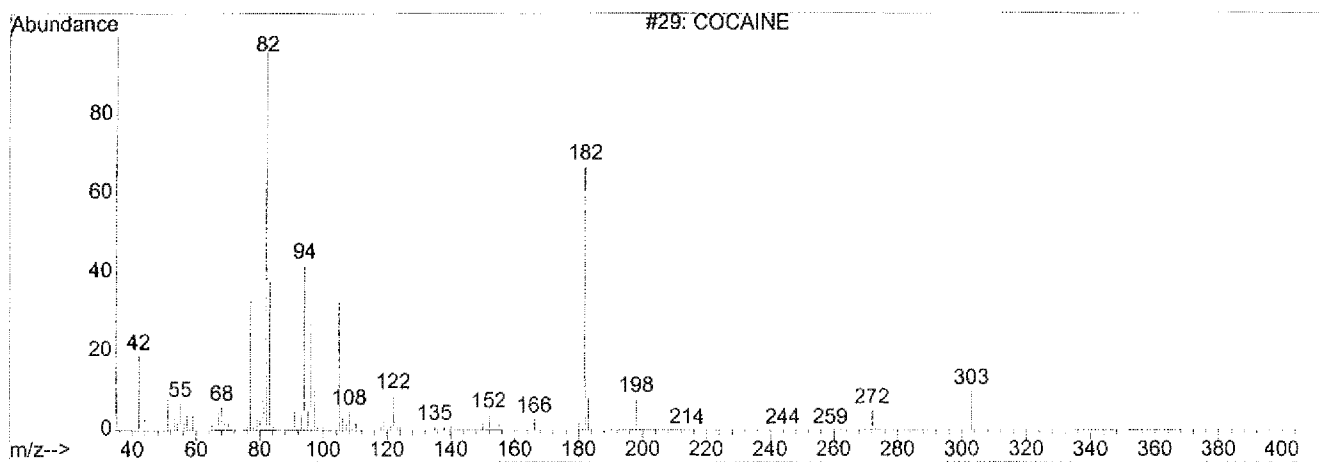
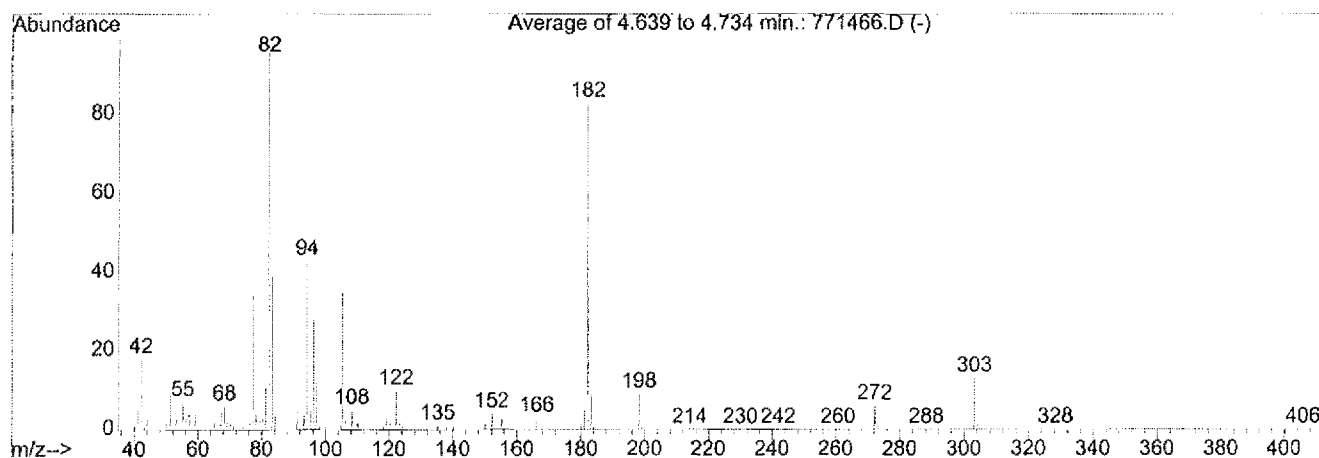
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File Name       : F:\Q1-2011\SYSTEM4\02_11_11\771466.D
Operator        : ASD
Date Acquired   : 12 Feb 2011   6:40
Sample Name     : ██████████
Submitted by    : LAG
Vial Number     : 66
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

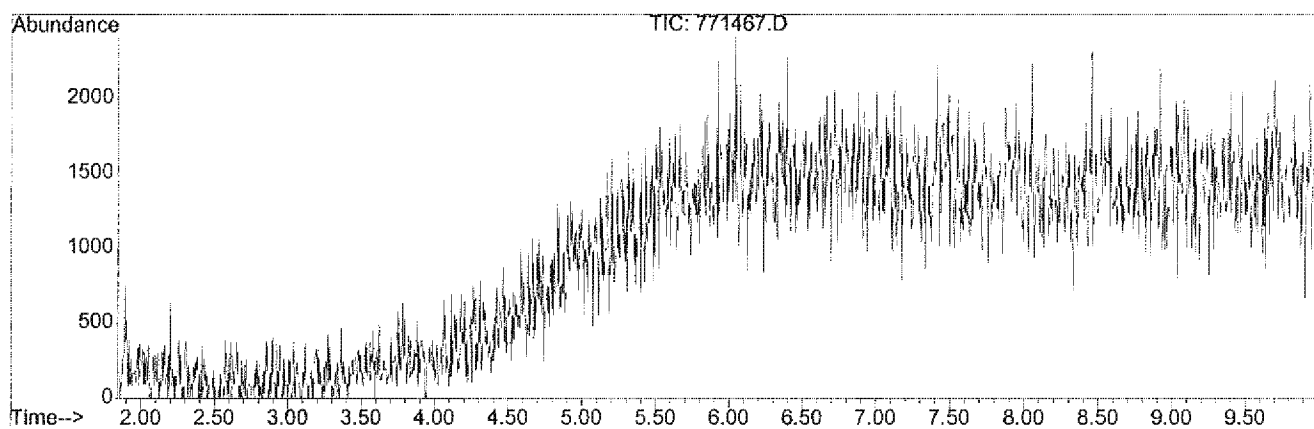
PK#	RT	Library/ID	CAS#	Qual
2	4.67	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\02_11_11\771467.D
Operator : ASD
Date Acquired : 12 Feb 2011 6:54
Sample Name : BLANK
Submitted by : LAG
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



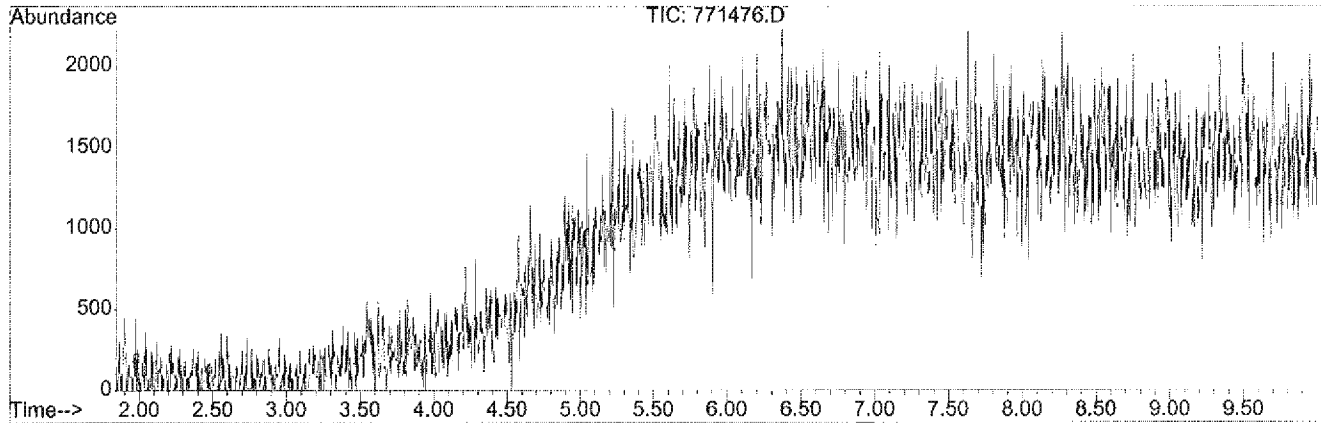
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\02_11_11\771476.D
Operator : ASD
Date Acquired : 12 Feb 2011 8:58
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



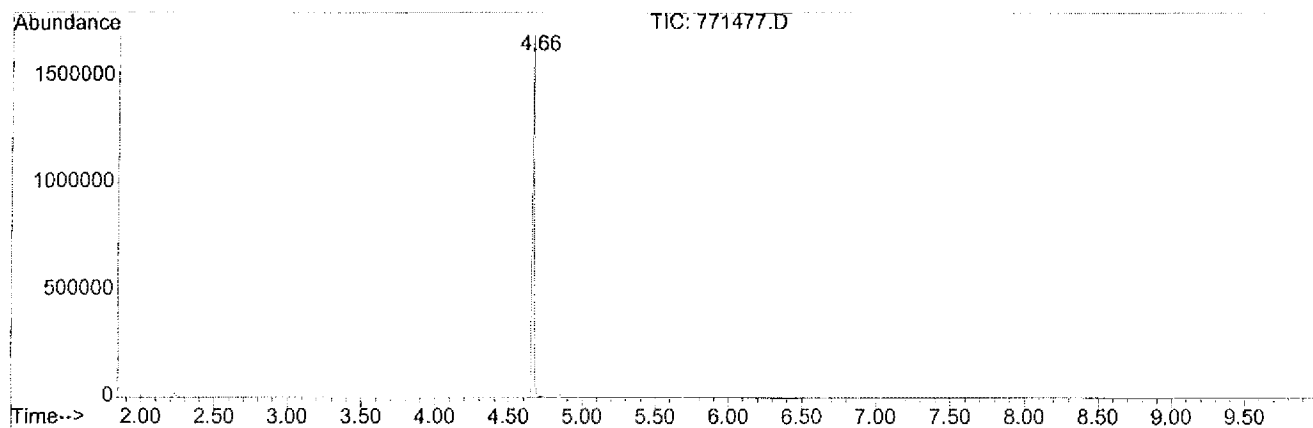
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\02_11_11\771477.D
 Operator : ASD
 Date Acquired : 12 Feb 2011 9:12
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 32
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.663	1601136	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

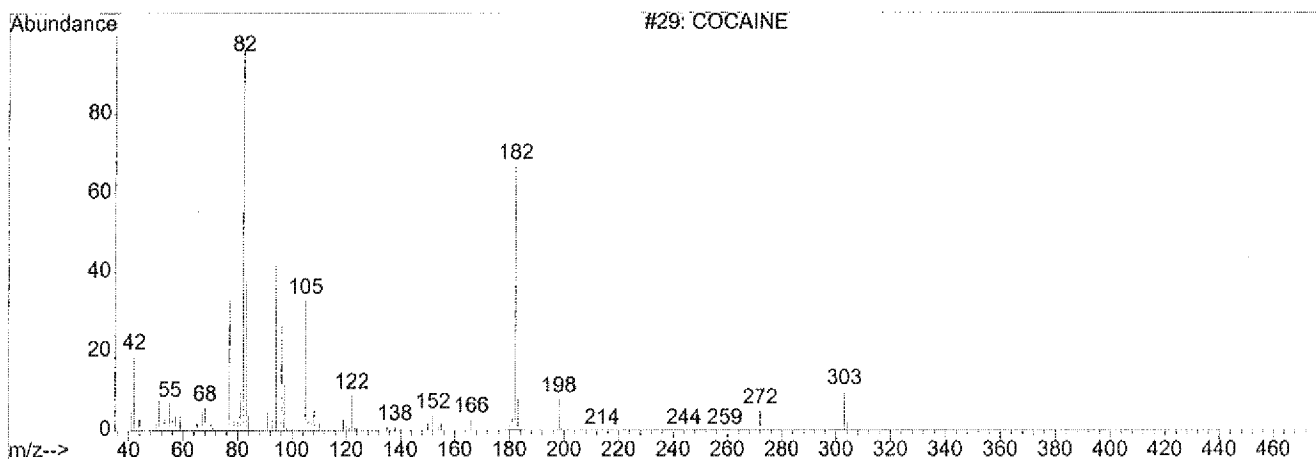
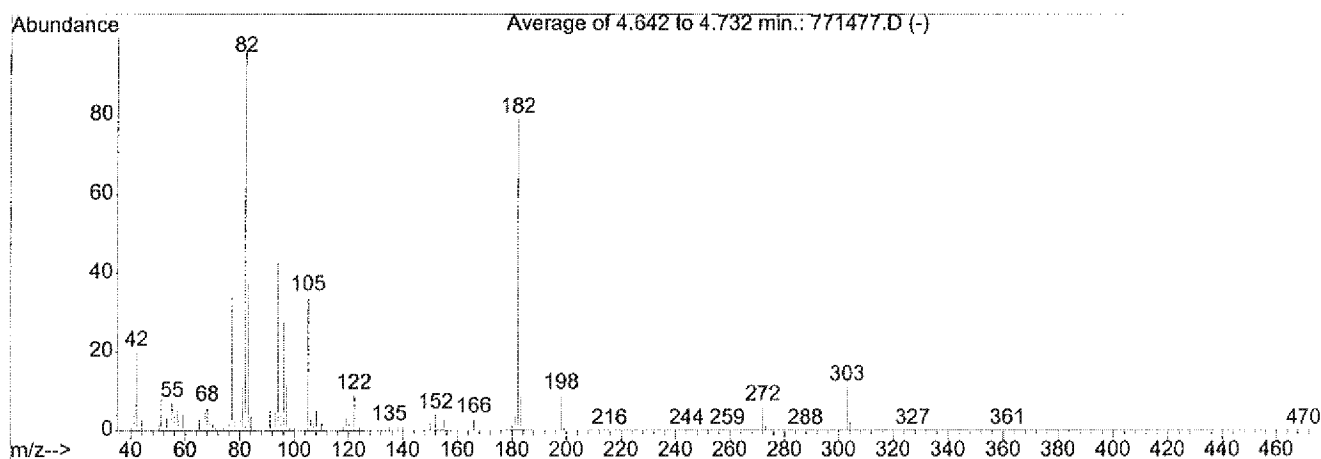
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File Name       : F:\Q1-2011\SYSTEM4\02_11_11\771477.D
Operator        : ASD
Date Acquired   : 12 Feb 2011   9:12
Sample Name     : COCAINE STD
Submitted by    :
Vial Number     : 32
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

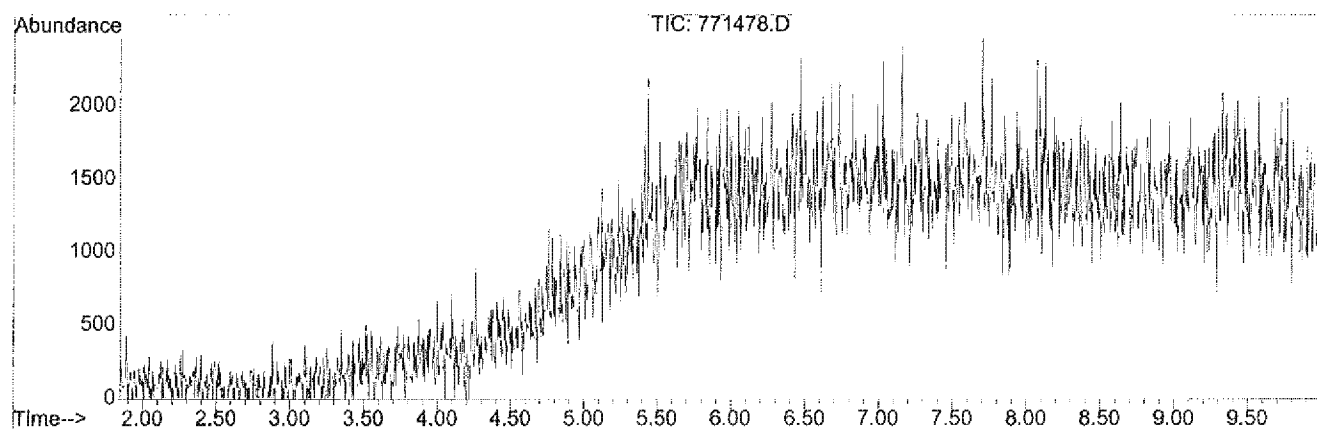
PK#	RT	Library/ID	CAS#	Qual
1	4.66	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\02_11_11\771478.D
Operator : ASD
Date Acquired : 12 Feb 2011 9:26
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS